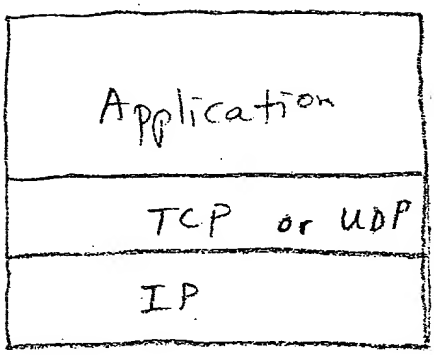


FIG. 1A
(prior art)

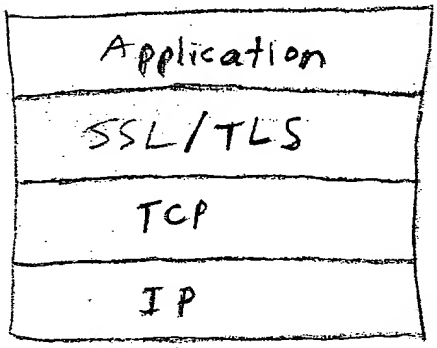
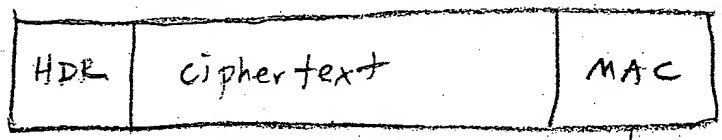


FIG. 1B
(prior art)



MAC = h(key, plaintext, seq.#)

FIG. 1C
(prior art)

PATENT OFFICE

PD98030 20020620

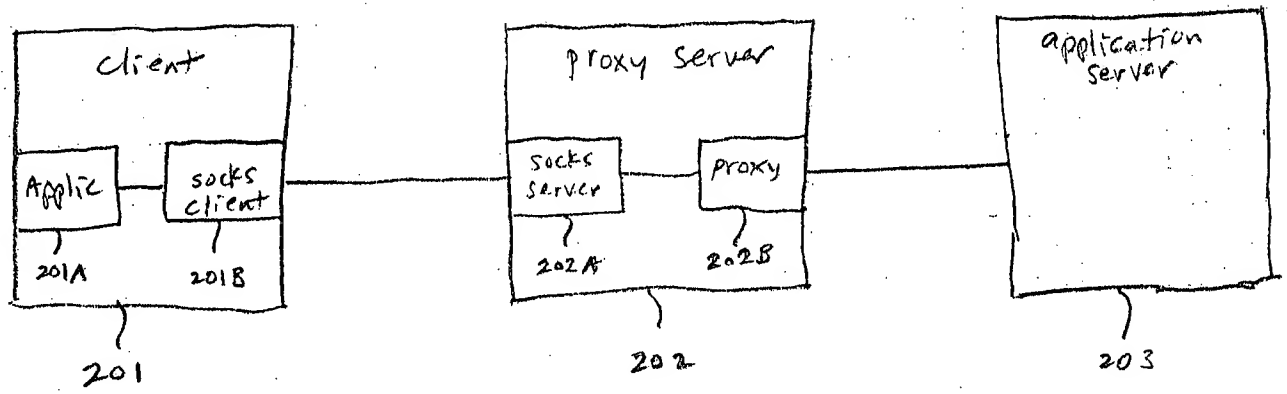


FIG. 2
(prior art)

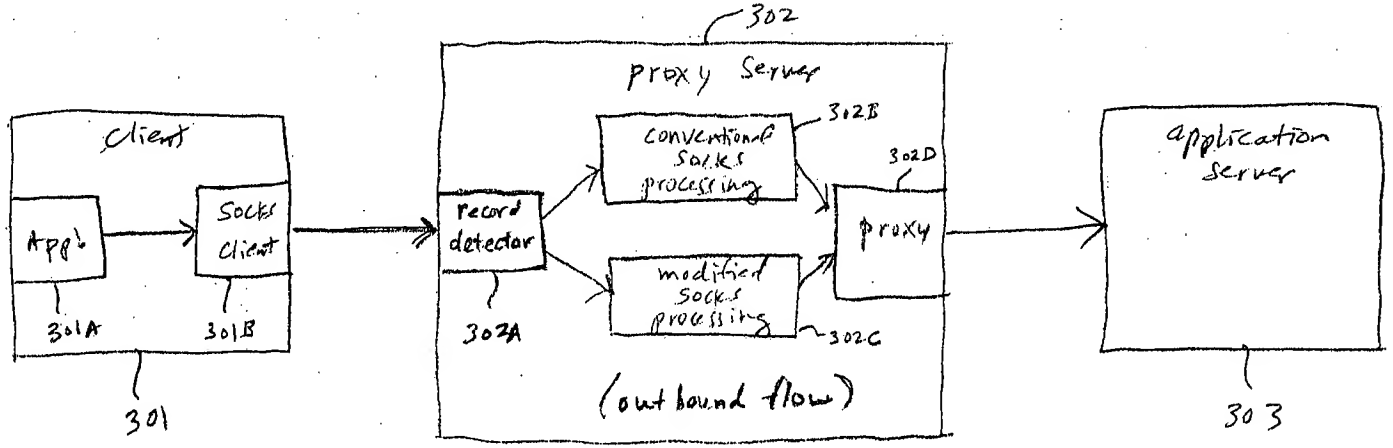

302
Proxy Server
Client
Appl.
Socks Client
301A
301B
301
Record detector
302A
conventional Socks processing
302B
modified Socks processing
302C
proxy
302D
(outbound flow)
application server
303

FIG. 3A

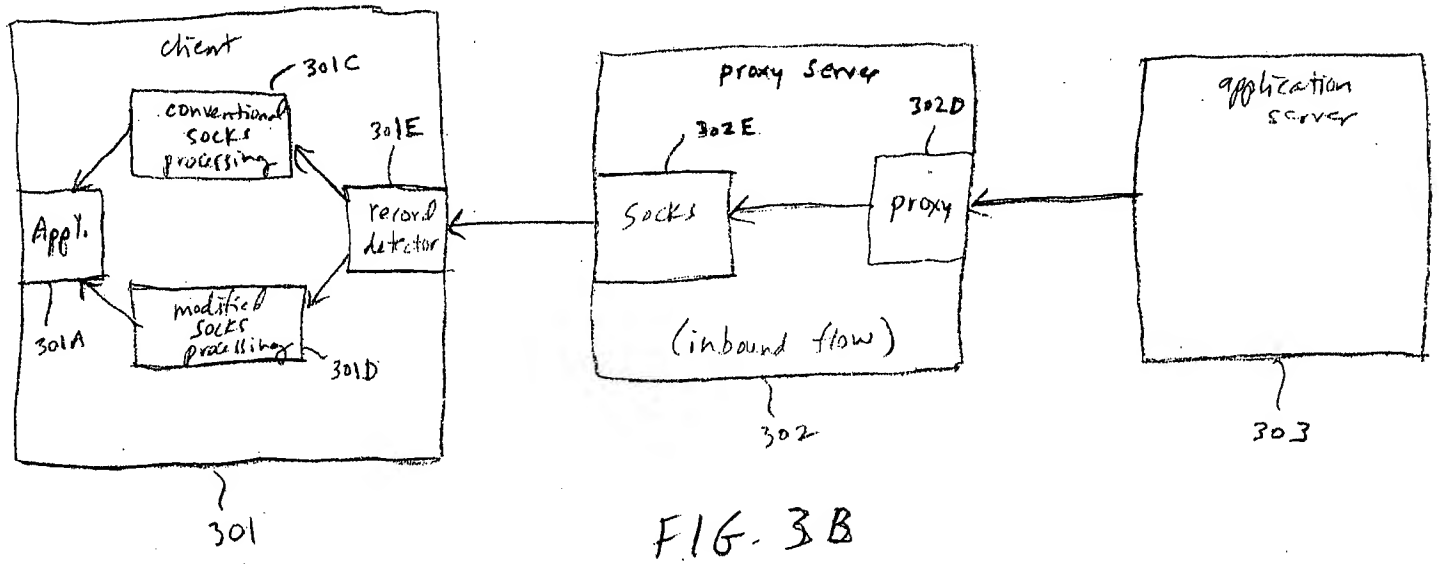

client
301C
conventional Socks processing
301E
Appl.
record detector
modified Socks processing
301A
301D
301
proxy Server
302E
302D
Socks
proxy
(inbound flow)
302
application server
303

FIG. 3B

EXPRESS MAIL

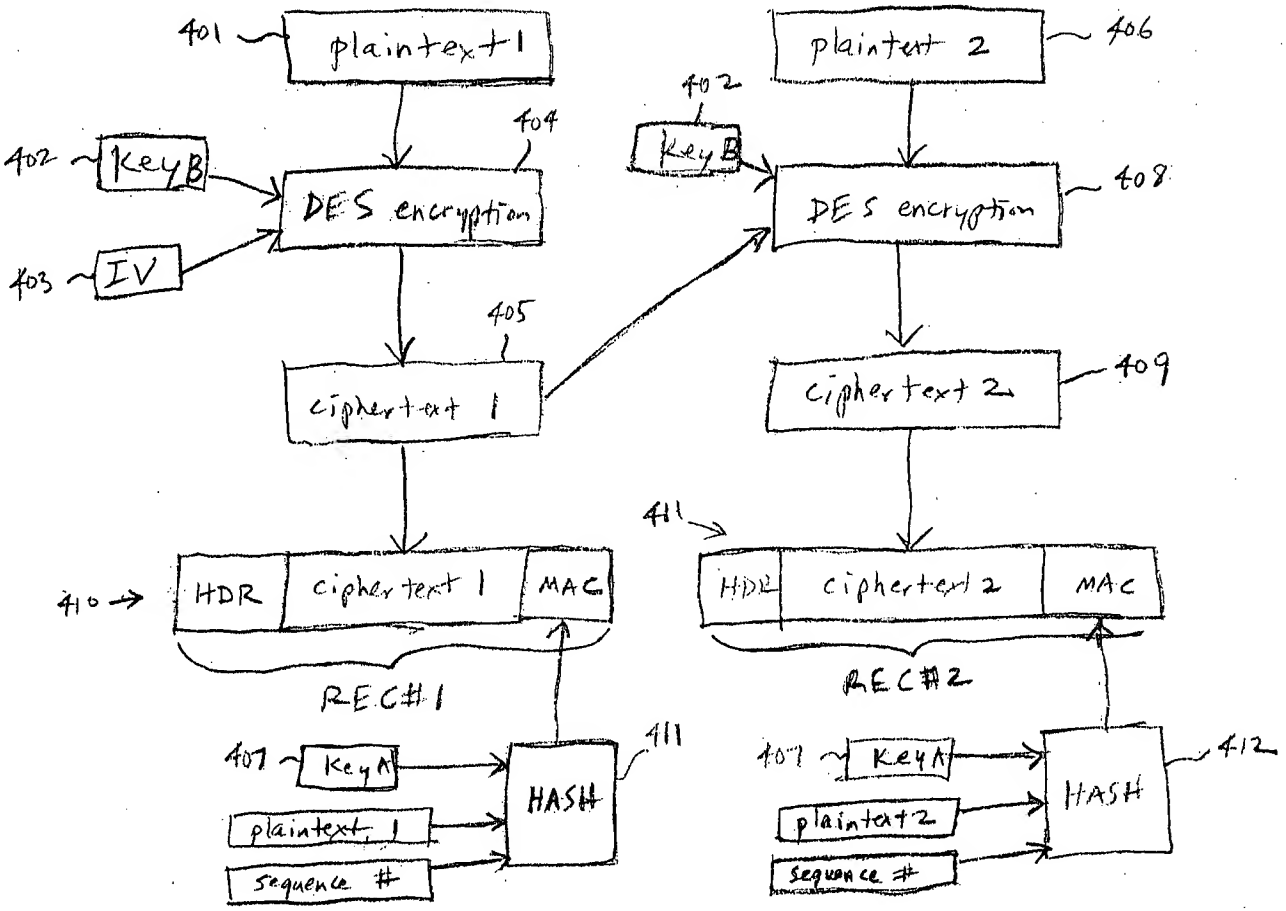


FIG. 4A
(prior art)

TOSHIBA EXHIBIT

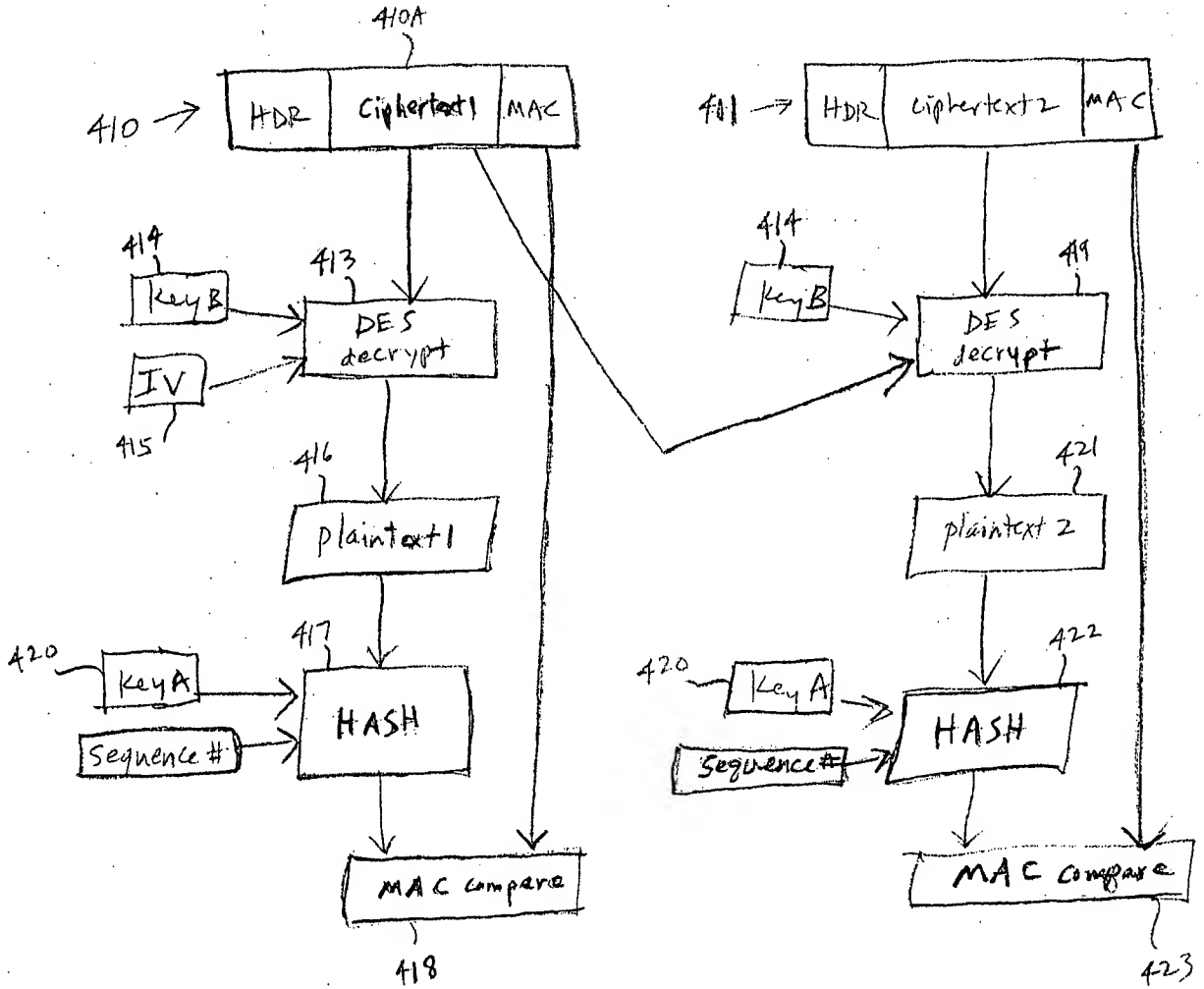


FIG. 4B
(prior art)

TOUSA 20020

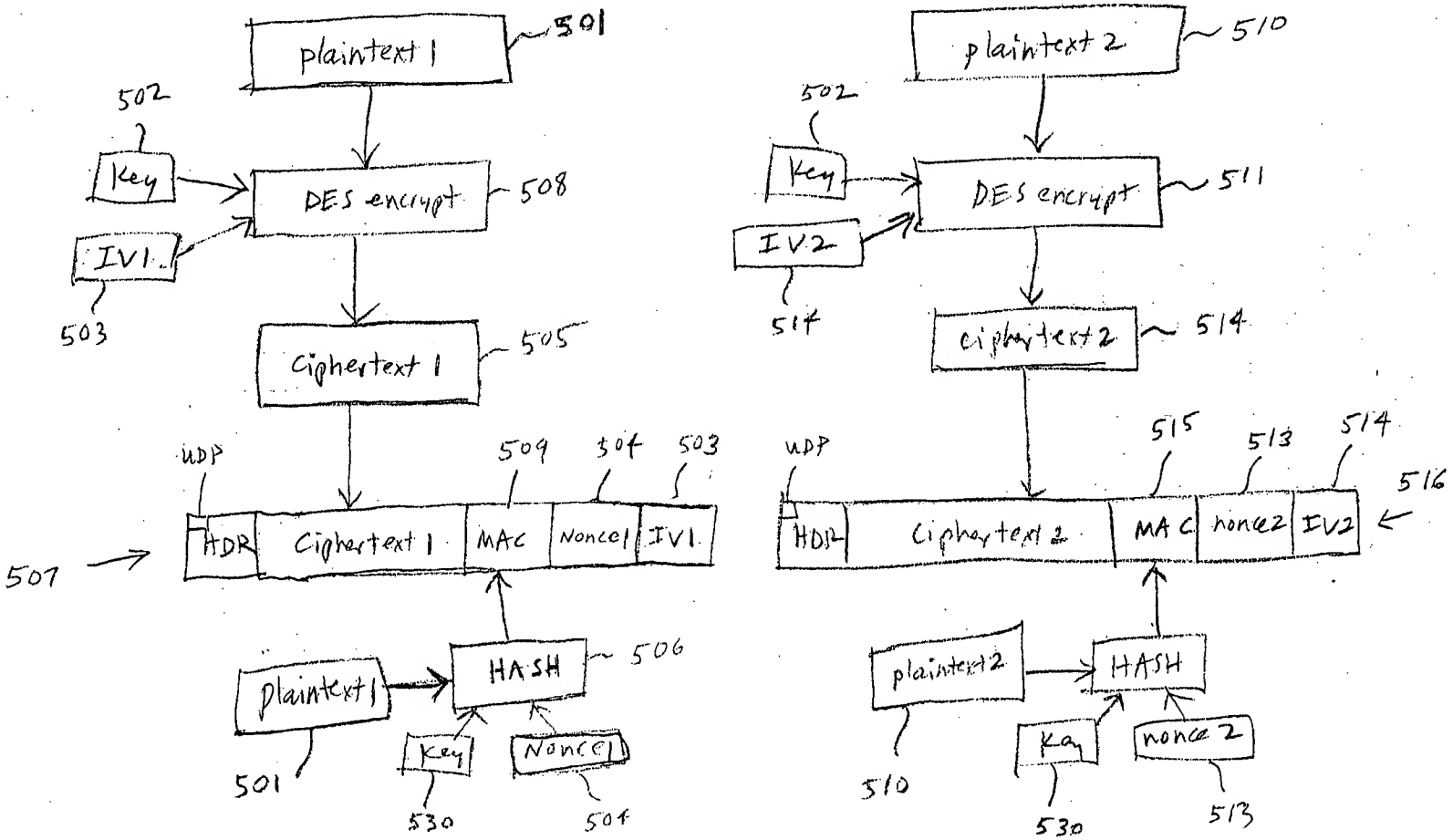


FIG. 5A

T0050 E0SE5C0

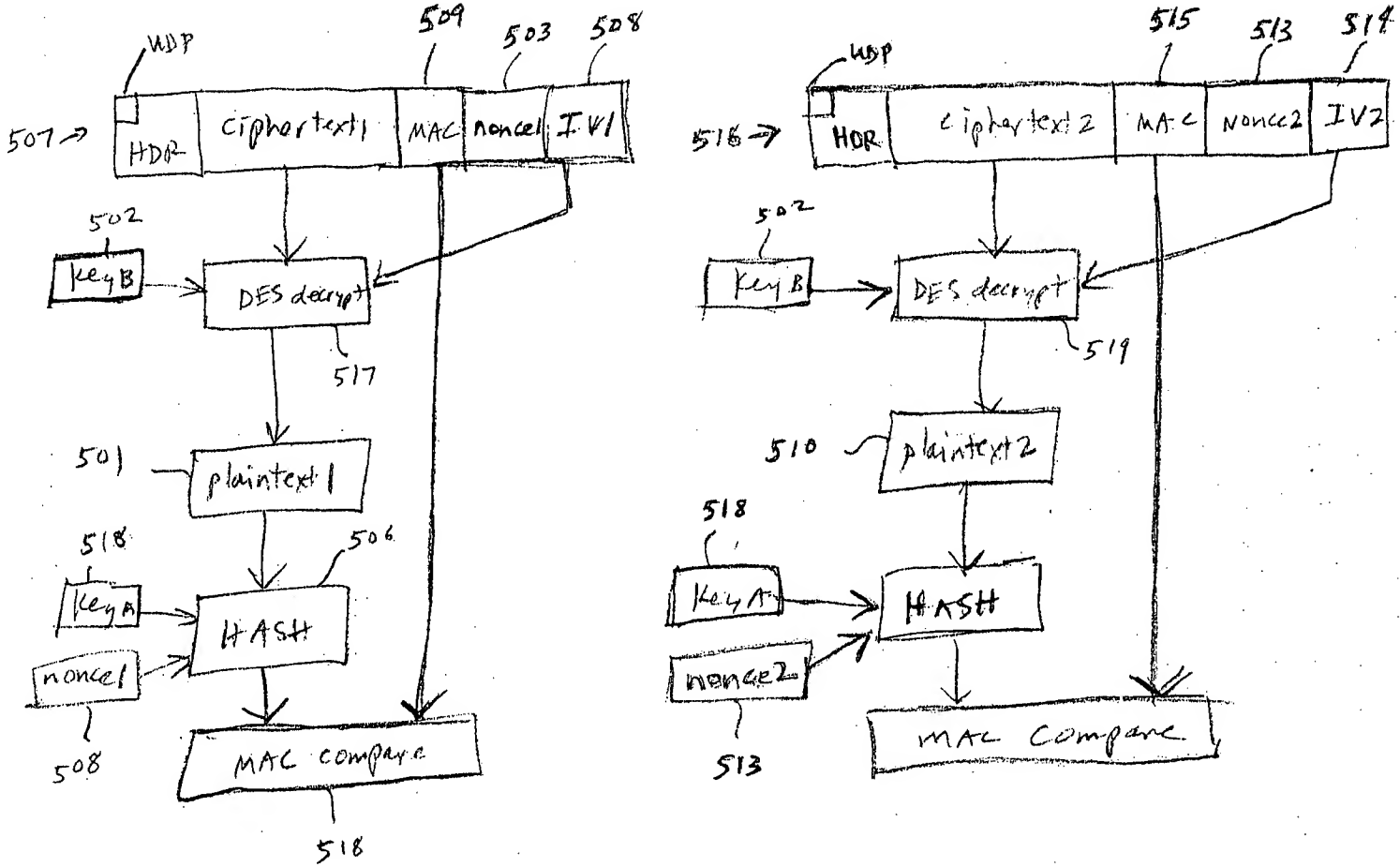


FIG. 5B

Robson Ex 2020

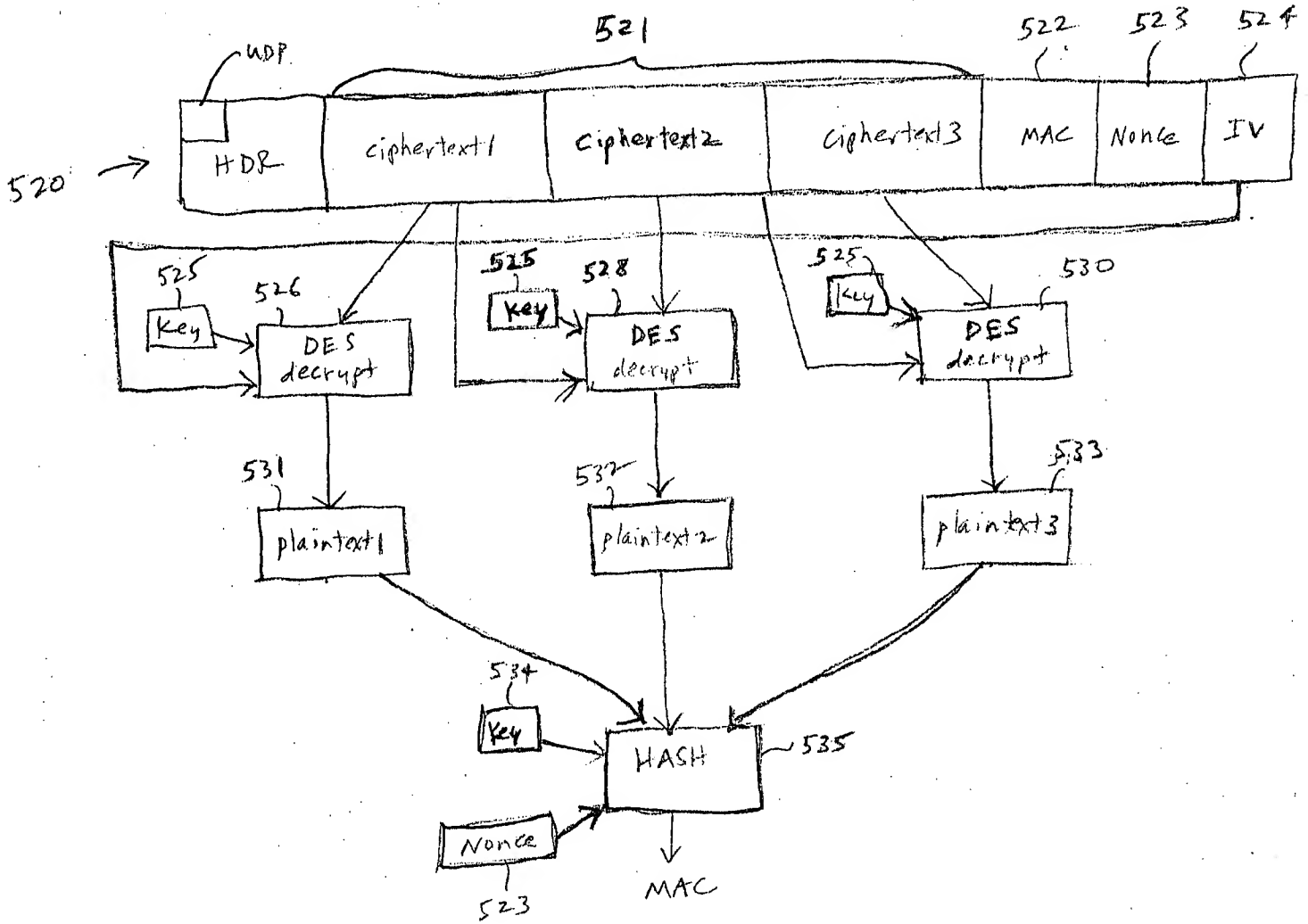
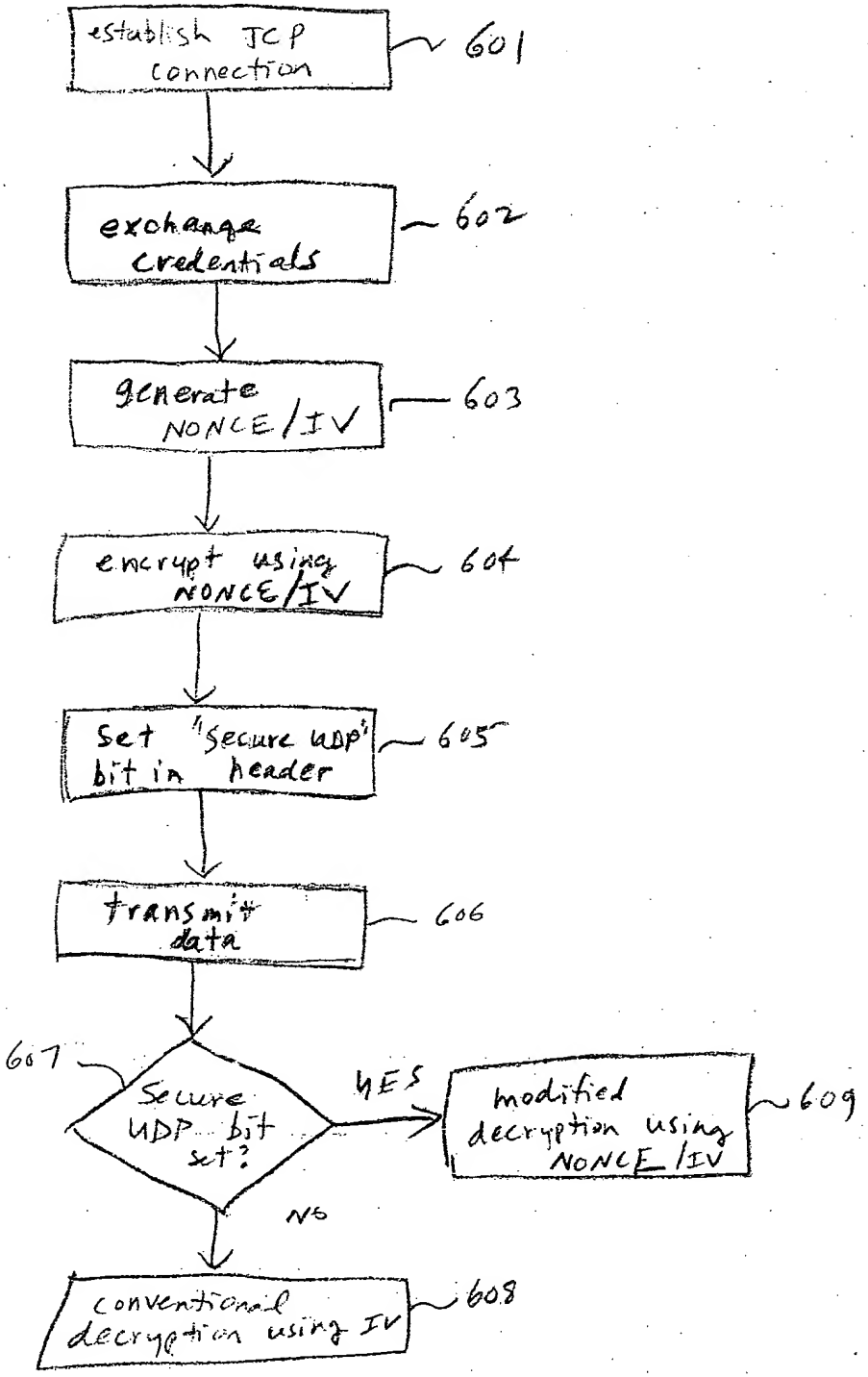


FIG. 5C

FIG. 6


establish TCP connection
601
exchange credentials
602
generate NONCE/IV
603
encrypt using NONCE/IV
604
Set "Secure UDP" bit in header
605
transmit data
606
607
Secure UDP bit set?
YES
modified decryption using NONCE_IV
609
NO
conventional decryption using IV
608